

Rose-Hulman Institute of Technology

Rose-Hulman Scholar

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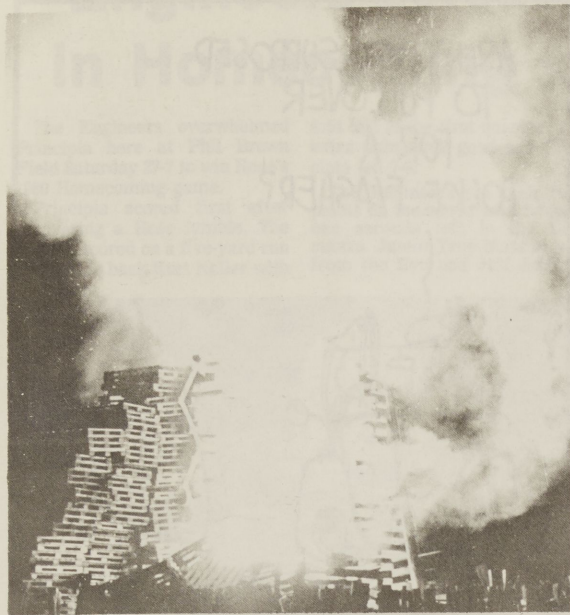
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Rose celebrates Homecoming



Homecoming '80 was a success for all. Starting off the celebration was a pep rally and coronation of the Queen. Sigma Nu was a double winner in the banner and cheer competition, while Alpha Tau Omega placed second in each event.

Lambda Chi Alpha's Nora Eichvalds was crowned Queen before the bonfire, left, was ignited. Sophomores will be quick to point out that the outhouse fell to the side of the bonfire.

Rosie returned for the Homecoming game against Principia, and the Engineers responded with a rousing victory over the Indians. Harry Chapin capped off the evening with a fine performance.



the Rose Thorn

Vol. 16, No. 5

Rose-Hulman Institute of Technology

October 10, 1980

Record number of students enrolled for the fall term

Rose-Hulman Institute of Technology has a record 1,268 full time students enrolled for the fall term, according to registration figures released by Louis W. Harmening, registrar.

Harmening said the 1,268 students surpassed last year's record fall term enrollment of 1,235. Previous high was the 1,175 in the fall of 1978.

Registration figures reveal that 359 freshmen, 339 sophomores, 287 juniors, 282 seniors, and one graduate student are enrolled at the college. Rose-Hulman has had an average enrollment of 1,000 or more men for the last 12 years. Except for the post-World War II years, the school's enrollment ranged from 350 to 600 students for most of its existence.

Mechanical engineering

continues to lead in enrollment with 380 students. Bolstered by a 105-man sophomore class, electrical engineering is second with 293 majors, while chemical engineering has 261 majors.

Other degree-granting areas include computer science (117), civil engineering (104), physics (37), chemistry (31), mathematics (26), environmental engineering (17), and mathematical economics (2).

An increased number of freshmen (60) selected computer science as their intended major. The 84 freshmen who prefer to major in electrical engineering also reflects a continuing increased interest in this field of engineering.

Rose grads place well

Thanks to Mr. Bill Sisson, one of the strong points of Rose-Hulman continues to be its placement of graduates. Last year was no exception.

There was an average of 24 interviews per man last year. Each man received an average of 3.5 offers.

The average starting salary increased from \$1,587 per month to \$1,717 per month for last year's graduates. This included an average monthly salary of \$1,727 for the engineering graduates and \$1,559 for the graduates in the science curriculums.

Chemical engineers led all of the majors with an average of \$1,800 per month. The offers ranged from \$1,900 to \$1,585 per month.

The highest offer last year went to a mechanical engineer at

\$2,200 per month. Their average was \$1,741 and their lowest offer was \$1,218 per month.

A monthly salary offer of \$1,692 was average for electrical engineers last year. Their high offer was \$1,932 and their low offer was \$1,218 per month.

For civil engineers, the average was \$1,587 with the \$1,866 and \$1,275 being the high and low offers respectively.

For science majors, the averages were \$1,485 in chemistry, \$1,640 in computer science, and \$1,500 in physics. Highs were \$1,500 for chemistry, \$1,786 for computer science, and \$1,750 for physics. Low offers were \$1,470, \$1,473, and \$1,167 respectively.

Fifteen of the companies that hired Rose graduates last year hired more than five. The largest employer was General Motors which hired thirteen graduates. The other companies include Alcoa, Babcock & Wilcox, Bell Systems, Caterpillar, Deere & Co., Dupont, Exxon, General Electric, Inland Steel, McDonald Douglas, Rockwell International, Texaco, U.S. Naval Avionics, and Western Electric.

According to Sisson, the outlook for this year looks good. There should be a record number of interviewers on campus in October and November.

Despite the fact that the seniors should be able to get jobs next year because of the continuing high demand for engineers, Sisson warned that companies will still be selective. Seniors should always keep their best foot forward.

Although only a few interviews have been conducted, Sisson indicated that he was receiving positive feedback from the interviewers. He said that the interviewers so far have been impressed with the honesty, attitude and preparation of the seniors that they have been interviewing.

The list of companies that will be coming to campus to conduct interviews is posted and near the placement library in the main hall. It is constantly being updated. Sisson emphasized that this list is by no means exclusive. If anyone is interested in a company which is not included on the list, they should see Sisson and he will try to arrange a visit.

Blood Drive returns to Rose

Wednesday, October 15 will be a very important day for many people. It's a chance for you to give a gift of life. On that day the Central Indiana Regional Blood Center will hold its annual fall blood drive here on campus.

The drive is sponsored jointly by the RHA and IFC. The drive this year will once again be held in the game room of the Hulman Union. It will begin at 10:00 a.m. and continue until 3:00 p.m.

It is requested that those intending to donate blood not eat greasy foods or dairy products prior to their donation. Punch

and cookies will be available for the donors. The cookies are being graciously donated by the Faculty Wives Club.

The co-chairmen of the drive, David Brannan and Jay Bartlett, are hoping for a large turnout. They have set their goal at 200 units of blood. Over the past few years the annual fall campus drive has yielded from 150-180 units. Last year it was considered a partial success when 185 units were collected. So this year will demand extra effort on the part of all those at Rose. More people must come

out than ever before.

In order to add some incentive to the drive, the RHA/IFC is once again offering a FIFTY DOLLAR PRIZE for the housing section with the highest percentage of participation. Each fraternity is considered to be a single housing section. Mees, Scharpenberg, and Blumberg Halls will each be divided into two sections. The first and second floors will constitute one housing unit, and the third and fourth floors will make up another. Each floor of Speed, BSB, and Deming Halls will form a housing unit. Whichever one of these units has the highest percentage of participation will be awarded the FIFTY DOLLARS.

So watch for more information about signing up to donate, and make sure you sign up. Remember, this is a chance for you to help save somebody's life and help make FIFTY DOLLARS for your floor.

Chess meet held

The weekend of September 27 and 28 marked the completion of the 11th Annual Rose Open Chess Tournament. The Chess Club's only USCF-rated tournament of the year was held in the auditorium in Moench Hall. Twenty-eight players competed for \$240 in prizes.

Jim Davies of St. Louis continued his tradition of strong play in the Rose Open as he won the first prize of \$100. Jim Mills of Muncie won second prize overall. The top finishers of the several Rose student entries were sophomore John Pultz and freshman Mike Leahy, who each won \$25 class prizes. Gary Deuser of Indianapolis acted as Tournament Director.

Metzger to depict "Einstein"

The second performance in this year's Fine Art Series at Rose will be Ed Metzger's brilliant portrayal of Albert Einstein in a one-man play entitled "Albert Einstein: The Practical Bohemian."

The play will begin at 7:30 p.m. in the auditorium in Moench Hall on Tuesday, October 14.

Metzger has received nothing but praise for his warm, sensitive, and often humorous portrayal of the man who was at once an "absent-minded scientist and pacifist visionary."

The play is sprinkled with Einstein's thoughts, loves, theories, and philosophies. Metzger even explains Einstein's theory of relativity in an illuminating yet understandable way.

Ed Metzger's brilliant performance is not hard to explain as he has had a long and varied acting career. He began his career in both Broadway and Off-Broadway productions including "Uncle

Vanya" and "Arturo Ui," where he appeared opposite Al Pacino.

He has also appeared in numerous television shows including "Bonanza," "Mannix," and "Kojak." In movies, he appeared in "Car Wash" and "Dog Day Afternoon."

Metzger began his drama training at the Pasadena Playhouse, later moving to New York and then Los Angeles where he studied with Lee Strasberg at the Actors Studio.

Since it opened in October of 1978, the play has received rave reviews from the New York Times, the Los Angeles Times, and Variety, which declared that "Einstein would have been proud."

The play "Albert Einstein: The Practical Bohemian" is produced and directed by Laya Gelff who, along with Metzger, co-wrote this play which will make for a most enjoyable and enlightening evening's entertainment.



Nora Eichvalds, left, was crowned 1980 Homecoming Queen at the pep rally Friday night. Eichvalds, nominated by Lambda Chi Alpha, is a senior at ISU. At center is Dawn Cwodrey, the 1979 Homecoming Queen. Named as first runner-up was Gina Mascari, the Sigma Nu candidate. Mascari is a sophomore at ISU. Stephanie Chitwood, Tami Gleason, and Kelly McCoy joined Eichvalds and Mascari in forming the court.

Editorial Thorn

Rose goes Bowling

by John Sparks
Editor

In a relatively short time span, Rose-Hulman has managed to establish a sterling reputation in the Midwest and adjoining areas of this country. Now comes a great opportunity to make its name known from coast to coast.

The College Bowl is a nationwide competition between the country's top academic institutions. Called "the varsity sport of the mind," competition takes the form of four-man teams answering questions. The questions cover all subjects. Matches are broadcast nationally on both television and radio. And this year Rose-Hulman will be competing for the first time.

The possibility for national exposure is ample if Rose-Hulman can field a competitive team. Rose-Hulman has competed against some giants before, with the Drill Team taking on the likes of Arkansas, Ohio State, and Purdue; and the Debate squad locking horns with Northwestern, USC, Harvard, Florida, and Notre Dame. But these are events which sadly lack the publicity they deserve. The College Bowl, on the other hand, offers a chance at national television exposure.

Imagine the effect of a Rose-Hulman versus Stanford, or Rose vs. Duke, or Rose vs. Columbia match. Admissions will find it easier to attract top prospects from distant parts of the country. Graduates may find it easier to locate jobs in areas of the country not well-represented by on-campus recruiting. Even alumni may find a new sense of school spirit and help out with donations.

And there is little reason to suspect that Rose-Hulman cannot compete with the academically better-known schools. Rose-Hulman has some of the finest minds in this country; a fact that the Admissions Office can attest to year after year with their Freshman figures. Technical questions should be easy prey, and the fine Humanities Department here has well-prepared students for questions in that area.

Team formation is already beginning. Dr. Heinz Luegenbiehl, who is coordinating the program at Rose, is forming an intramural league. It will be run as a double-elimination tournament, with the winning squad and four "all stars" making up the Varsity Squad. The competition is open to anyone who can field a four-man team, but the deadlines for applications is Monday. Applications, rules, and guidelines are available from Luegenbiehl.

Halls, fraternities, and independent groups are urged to enter. The national champions may be somewhere on the Rose campus, just waiting to be brought together. And if they are, probably few other channels would be as successful as the College Bowl in spreading the Rose-Hulman name across the nation.

EDITORIAL



On the album front

by A.J. Fossett



Not a whole lot of new albums were released this week, so pickings are sort of slim. One major exception, though, is "Audio Visions," the new Kansas album on Kirshner.

"Audio Visions" indicates something of a new turn for the group. The richly varied, tonally unique sound is still there, but

the songs aren't as daring in their musical approach when compared with something like "Leftoverture."

There's a lot of similarity between certain songs; for example, "Relentless" and "Hold on." What's more, the lyrics don't cash in on what the music lacks.

Kansas has shown a strong verbal facility in the past, but this effort, for the most part, consists of pointless lyrics of little focus. This is true despite the presence of "Got to Rock On," a Kansas-sized version of "In a Hand or a Face," and the rich girl lyrics of "No Room for a Stranger."

"Hold on," as it is, is the strongest tune on the record. Its lyrics are just 50-50, but the music is nothing short of alluring. It seems destined for heavy radio airplay.

"Monolith," their previous album, showed Kansas as they turned toward a more extended, progressive style of music. "Audio Visions," however, does not follow in this succession, and leaves the band at something of a crossroads.

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Hall Olympics events altered

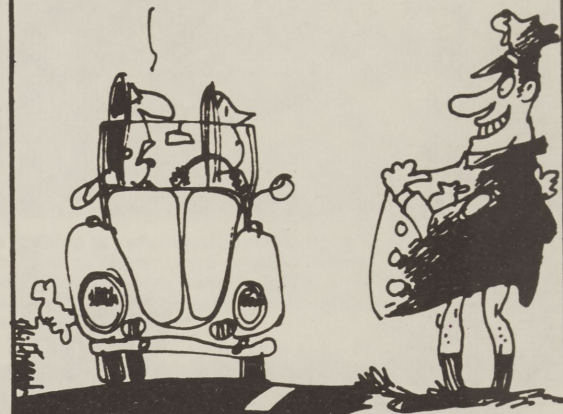
by Jane P. Glandular

With the halllympics stirring up nothing but apathy, the Residue Hall Association staff has redesigned all of the events to cater to a wider variety of students. Listed here is a sampling of events under consideration:

- 1) Out-going call — Teams will try to make two successive outgoing calls between 7 and 10 p.m.
- 2) Fill the Bucket — A compsci major is given a bucket to salavate into while editing a file on the PDP 11170. Fullest bucket wins.
- 3) Stomach Pump Relay — A.R.A. sponsored; no explanation required.
- 4) Scavenger Hunt — Find last

FRANKLY SPEAKINGby phil frank

AREN'T YOU SUPPOSED
TO PULL OVER
FOR A
POLICE FLASHER?..



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Letter to the Editor

I would like to comment on Mr. Diller's letter regarding the computer allocation scheme (THORN, Sept. 26). Although most of the knowledge I will present is gained by my position as one of the computing center's system managers, let me stress that in no way am I attempting to speak for the computing center or any of its other staff members.

Albeit unknown to most students, the Computing Center Committee is a body separate from the computing center. Its job is to dictate computing center policy and to make recommendations to the Director, Dr. Danner, as to the functioning of the center.

While Danner is indeed a member of the Committee, he is not the chairman of that committee; rather, Dr. Michael Atkins is.

While I won't debate the good and bad points of the allocation policy, I will stress that this policy was formulated by the Committee, and not the computing center per se. In fact, some other computing center staff members and myself had proposed some schemes not involving the so-called "funny money" but the Committee instead opted for the more "realistic" course.

In fact, there were plans to fully explain the policy. KERNEL, the computing center

newsletter, was to have been published in September. However, the Committee made the decision to use funny money so late in the summer that, for nearly three weeks, almost all of our time was spent implementing the scheme.

Thus, the September KERNEL did not appear. Even if it had, however, the letter from Atkins which was supposed to explain the policy (which will appear in the October issue) merely spoke in vague generalities.

The computing center staff felt that it was necessary to explain the policy, but the chairman of the committee apparently did not.

Therefore, if any claims of secrecy are going to be made, I would urge that they be made with Atkins and the Committee as a whole, and not with Danner. I urge, and hope, that you will urge that the Committee promptly issue a statement fully explaining the policy, its future, and its effects.

Danner should not be blamed for this error on the Committee's part; in fact, with all of the budgetary and political problems he has to face, it's a wonder that the computing center works at all! We should instead respect Danner for doing such an excellent job in the face of all of the bad odds against him.

Chris Thomas

Missing a bicycle?

Buildings and Grounds has possession of a ten-speed bicycle that was repeatedly left in a no-parking area, and would like to return it to its owner.

The bicycle was left on the west side of Moench Hall. After Buildings and Grounds

left two notes to the owner, the lock was broken and the bicycle confiscated.

The bicycle was impounded in mid-September. Buildings and Grounds will gladly return the bicycle to the owner provided he can identify it.

The THORN

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Engineers defeat Principia in Homecoming showdown

The Engineers overwhelmed Principia here at Phil Brown Field Saturday 27-7 to win Rose's 1980 Homecoming game. Principia scored first after recovering a Rose fumble. The Indians scored on a five-yard run by running back Kurt Keller with

6:51 left in the first quarter. The extra point was good and Principia led 7-0. The Engineers put their first points on the board with twenty-one seconds left in the first stanza. Junior Troy Matz scored from the five and Jeff Jackson

kicked the extra point for a 7-7 tie. In the second period, Junior Rex Phillips received a punt and handed off on a reverse to Rodney Shroder who returned the ball to Principia's twenty-three yard line. Randy Hancock ran it in from the ten to put the Engineers ahead. Jackson's kick made the score 14-7.

Gary Quick intercepted a Principia pass to give the Engineers the ball in the fourth quarter. Senior Tony Radeck scored with 3:56 remaining to put Rose up 20-7. The extra point was blocked.

Brad Kitchens intercepted an Indian pass eleven seconds later to put the ball on Principia's twenty-six. The next play, Troy Matz ran twenty-one yards to the five-yard line. Rose quarterback Mike Trench hit Jim Novacek for a five-yard touchdown pass on the next play to make it 26-7. Jeff Jackson then kicked his third extra point for the final margin.

Quarterback Mike Trench was four out of eleven and starter Scott Weddle went two for five passing.

On the receiving end of Matz and Weddle's passes were Jim Enloe, four catches for forty-one yards; Tony Radecki, one catch for seven yards, and Jim Novacek, one for five yards.

Gaining yardage for Rose were Troy Matz, eighteen carries for seventy-six yards; Randy Hancock, ten carries for fifty-six yards, and Tony Radecki, seven carries for thirty-seven yards.

Rose is now 1-0 in College Athletic Conference play and 2-3 overall. Tomorrow the Engineers will be at Kankakee, Ill., to take on Olivet Nazarene. Principia's record fell to 2-2.

The Indians travel to Centre College for their second conference game. The Engineers will be in Centre the following week to play their second CAC game.



Jim Enloe gains yardage after catching a pass in the Engineers' victory over Principia. Enloe caught four passes gaining 41 yards in the game. Rose totaled 53 yards through the air.

Soccer men squeak by ISU; also win one of four games

The Engineers had a busy week, winning two and losing three. After coming off of a tough loss to nationally ranked Washington University of St. Louis (2-0), the kickers travelled to Blackburn College. At Blackburn the Rose team lost to an extremely quick Blackburn squad by a score of 5-0.

Then against St. Meinrad's, and playing their third game in as many days, the Engineers got on the winning track. The Rose

team was losing 1-0 at the half, but came back in the second half with goal from Dave Watson, Leon Hinz, and Dan Wente.

Brad Kowalski had two assists in the game while Dave Watson had one, and the Engineers won 3-1.

A strong and physical Principia team came to Rose-Hulman Saturday. The Indians were aggressive and scored seven times to defeat the

Engineers 7-0.

The kickers were playing again Sunday against I.S.U. The Engineers dominated the Sycamores for most of the game. The only goal in the game came off of the foot of freshman George West who received the ball from Ralph Smith.

A tough defense and a few excellent stops by goalies Mike LaPosa and George Colby lead to the 1-0 shutout victory for the Engineers.

The Rose squad is now 2-6 on the year and travels to DePauw for a 1:00 p.m. game tomorrow, and on Wednesday to St. Meinrad's.

Harriers finish fifth in meet

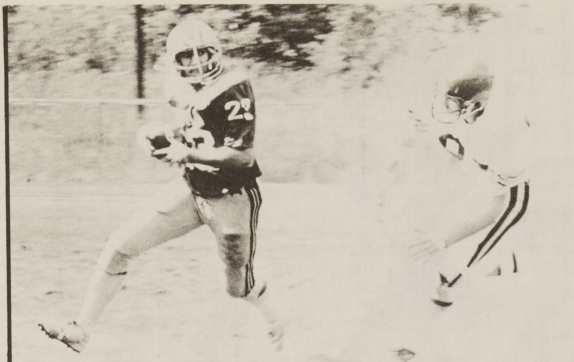
The Rose harriers finished fourth last Saturday in the seven team Hanover Invitational cross-country meet.

Mike O'Brien was the only finisher for the Engineers in the top fifteen. O'Brien crossed the finish line with a time of 24:33. His time could possibly be the fastest time ever for a Rose man on the Hanover course.

Purdue finished first in the team competition with only twenty-nine total points. Indiana State University at Evansville was second holding fifty-one, and Butler had one hundred points.

The Engineers were next with one hundred and eighteen. The rest of the finishers were the University of Evansville with one twenty, host Hanover with one seventy-five, and Vincennes holding two hundred and twenty-five.

The Engineers will compete in the Indiana University Invitational tomorrow in Bloomington. The Harriers have the following week off.



Randy Hancock carries the ball for Rose in their 27-7 Homecoming victory over Principia. Hancock gained 56 of the Engineers' 190 yards rushing. The Engineers travel to Olivet Nazarene tomorrow.

IM Sports Round-Up

by Brad Burton

The days are becoming shorter and the air a little cooler, but there is still plenty of activity happening in intramural sports. This includes the intramural tennis tournament.

The tournament is broken into three categories: singles, doubles, and mixed doubles. Currently, preliminary matches are underway in all divisions. Players and teams will be weeded out until only one remains in each division. The level of play is surprisingly good and the competition keen.

The tournament draw and current results are posted in Moench Hall, while more specific coverage will be given in The Thorn as the tournament progresses.

Intramural football is now in full swing, and some important games were played this past week. In major football, Sigma Nu and Fiji battled for sole possession of first place, with Sigma Nu gaining that spot with a 13-0 victory. In other action, Lambda Chi bounced back with a shutout of ATO, 12-0, while in a battle of winless teams the Independents rolled past Deming by a score of 35-0.

In Minor A, the week was highlighted by a narrow Townie victory over Speed

No. 1, 13-12. There were two other games in this well balanced league, one a 13-6 win by BSB No. 1 over Independent No. 4 and the other a 12-6 Mees No. 1 victory against Deming No. 1.

The week in Minor C produced three shutouts, spearheaded by Lambda Chi No. 1's impressive mauling of Off-Campus No. 1. In other contests, Fiji blasted Speed No. 3, 19-0, and Deming No. 3 blanked BSB No. 3, 12-0.

Rounding out the week in football was a full schedule of games in Minor D, including a 25-0 romp by Lambda Chi No. 2 over Independent No. 6.

Another shut-out victim was the Deming basement, as they were defeated soundly by Independent No. 1, 22-0. The remaining game proved to be a close contest, as Sharpberg edged a good Apartment A-3 team, 13-6.


Minor B did not play last week.

Looking ahead on the intramural schedule, the Racquetball Tournament sign-up will be coming out shortly, while the tournament itself begins on Monday, Oct. 27.

Other upcoming events include the intramural cross country meet on Tuesday, Oct. 28.



MAJOR	
Sigma Nu	3-0-0
Fiji	2-1-0
LCA	2-1-0
ATO	1-2-0
Ind.	1-2-0
Deming	0-3-0
MINOR A	
BSB No. 1	2-0-0
Townies	1-0-0
Blumberg No. 1	1-0-0
Speed No. 1	1-1-0
Mees No. 1	1-1-0
Deming No. 1	0-2-0
Ind. No. 4	0-2-0
MINOR B	
ATO	1-0-0
Blumberg No. 2	1-0-0
Ind. No. 2	1-0-0
Ind. No. 9	0-0-0
Speed No. 2	0-1-0
Deming No. 2	0-1-0
BSB No. 2	0-1-0
MINOR C	
Deming No. 3	2-0-0
Fiji	2-0-0
LCA No. 1	1-0-0
BSB No. 3	1-1-0
Ind. No. 3	0-1-0
Speed No. 3	0-2-0
OC No. 1	0-2-0
MINOR D	
Scharpenberg	2-0-0
LCA No. 2	1-0-0
Ind. No. 1	1-0-1
Apt. A-3	1-1-0
Ind. No. 6	0-1-1
Triangle	0-1-0
Deming Basement	0-2-0



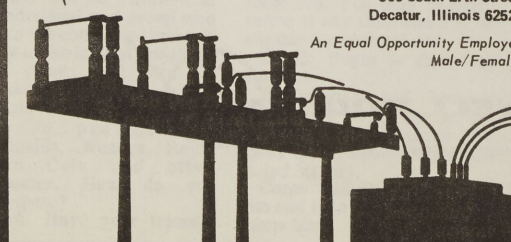
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Minutes from Campus



Sanders joins with Mechanical Staffers

Not all of the new faces on campus this year are those of freshmen. One of these new faces is that of Dr. Leon Wayne Sanders, an addition to the Mechanical Engineering faculty.

Life on an all-male campus is nothing new to Sanders, as he graduated with his B.S. degree from Texas A & M in 1960 when it, too, was an all-male academy. In Texas, humorous references toward an unspecified Eastern European nationality (Polish jokes) are altered such that the key characters are from Texas A & M; Aggies. Being from A & M, Dr. Sanders invites anyone who knows any good Aggie jokes to stop by his office in E-125 to tell him.

After graduation, Sanders went to Washington D.C. where he worked for the patent Office. There, as a patent inspector, he recalls trying to explain to aspiring inventors why their perpetual motion machine wouldn't work.

From patent inspector, Sanders moved on to work for B. F. Goodrich in 1962. At this point, Sanders candidly commented "I worked on the blimp there; . . . I guess that's why they never had one that got off the ground."

After dumping derelict dirigibles, Sanders started something somewhat closer to his speed, working for Boeing on the Saturn V project. After this, he worked for the Army and the Air Force as a civilian employee. His specialty there was heat design and air conditioning.

He held this position until he was informed that within a week, he would have been "transferred" to Southeast Asia. At this point, with Wanda, his wife of four years very pregnant with their first child (Shannon Leigh, now 11) Sanders quickly terminated all obligations with the Armed Forces to return to school. He attended Southern Methodist University in Dallas, where he taught classes while obtaining his PhD.

For the past six years, Sanders has taught at Lamar University at Beaumont, Texas. Lamar became known last year as its basketball team fought through the third round of the NCAA national playoffs. Beaumont was made famous a few years earlier by a beautiful lady with very long hair named Debra Jo Fondren. Sanders claims to have been lucky enough to have lived in the same neighborhood as Miss Fondren. This reporter, for one is jealous.

Having been involved in ASME, for three years at Lamar, Sanders was Faculty Advisor. During that time, their chapter competed in two mini-Baha's and one mini-Indy, and sponsored one mini-Indy, where they placed third.

Also during this time, the Sanders' had their second child, Martin Wayne, now 4.

Sanders' primary ambition is to teach, and that's the reason he came to Rose. In explanation, Sanders stated that Lamar was shifting emphasis from teaching to research. There, he was expected to teach classes, spend several hours a day doing research, thus leaving no time available for students out of class.

Sanders learned of the opening at RHIT while at the National ASME meeting in New York, where he met former faculty member Terry Ishihara. Ishihara told Sanders of the position opening for this year and also told about Rose's background and teaching oriented standards.

Currently Sanders is teaching two sections of Thermodynamics II class. He likes the student-teacher dialogue available here at Rose. He classifies this first year as a "feeling-out" period between himself and the student body. He is looking forward to next year, when he gets to teach some freshman classes. He also plans on becoming active in this chapter of ASME and also in the flying club.

Student Government Meets

The newly elected SGA congress was scheduled to meet earlier this week to discuss a few pressing issues. The subject of Honor Key criterion headed up the proposed agenda. The executive committee of the SGA believes that the service requirements for this honor were too easily met last year, and has moved to have the congress adopt a more challenging point system, putting more worth in the honor for those who earn it.

Recognizing that the refrigerators being stored in Speed Hall were within reach of any hall resident and that some have been damaged by the

present stacking system, the SGA executive committee has proposed that a cage be purchased to protect the SGA refrigerators.

Also proposed was the idea that the Student Government should publish a student directory — much akin to the Triangle Grey Books of years past — as a service to the

student body and the institute.

The final main point was to discuss the future of the Modulus, the Rose yearbook. Movement is underway to employ an ISU student to produce the book . . . This brings an attempt to make our yearbook more reliable in view of past failures to publish a book on schedule.



Even though new music is being written all the time, and musical styles undergo many changes, the desire of man to express himself in song dates back at least to prehistoric times. Whistles and flutes made from bones have been found in Hungary and Russia that are at least 25,000 years old.

Problems Contest Continues

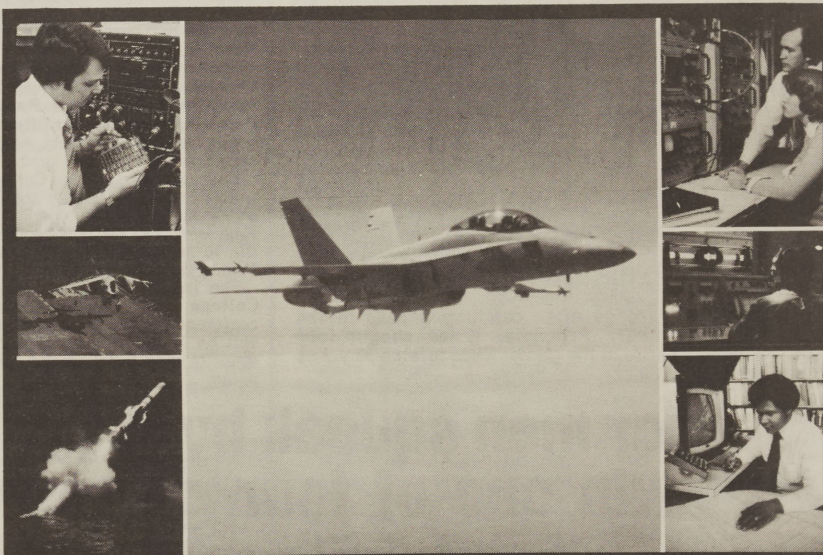
PROBLEM NO. 5 (Due at noon, Friday, October 24) prove that no arrangement of the 5 even digits, also no arrangement of the 5 odd digits ever yields a perfect square.

PROBLEM NO. 5 (Due at noon, Friday, October 17) the slope of a line is invariant under a coordinate translation, so you can write $y = kx^2$ as the equation of the parabola without loss of generality. Let $A = (XA, YA)$, $B = (XB, YB)$ and $C = (XC, YC)$. You really shouldn't need too much more of a hint. Good luck.

PROBLEM NO. 2 Sketch of Proof: Refer to the labeled figure given in the hint. It is

not too hard to show that B1 D1 and B2 D2 are perpendicular to D1 D2, and that B1 C1 = C1 D1, B2 C2 = C2 D2. Angle A2 D1 = angle B1 Angle A2 D1 = angle B1 01 C1, so triangles A2 D1 02 and B101 C1 are similar. So 01 02/D2 A2 = 01 B1/B1 C1. If the lengths of 01 02, 02 A2, and O, A, are D, r, and R, respectively, the 01 B1 = Rr/D. Now, since angle 01 02 A1 = angle B1 01 C1 triangles 01 02 A1 and B1 01 C1 are similar. Thus, 01 02/01 A1 = 02 B2/B2 C2, or, B2 C2 = Rr/D. Hence, B1 01 = B1 D1 = $\frac{2Rr}{D} = B2 D2$

as was to be shown. A complete proof may be found on the Crapo Hall bulletin board.



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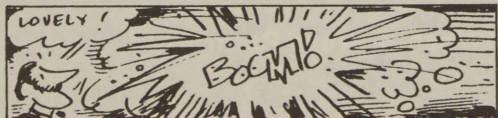
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